

Title (en)

Process and device for the seamless joining together of thermoplastic, hollow sections.

Title (de)

Verfahren zum nahtlosen Verbinden von thermoplastischen Kunststoffhohlprofilen und Vorrichtung zur Durchführung des Verfahrens.

Title (fr)

Procédé et dispositif pour joindre sans soudure des profilés creux en matière thermoplastique.

Publication

EP 0020915 A1 19810107 (DE)

Application

EP 80102097 A 19800418

Priority

DE 2923205 A 19790608

Abstract (en)

1. A process for the seamless bonding of hollow thermoplastic profiles (1, 2) by plasticizing the ends of the profiles which are to be bonded and which are clamped abuttingly, using an outer mould (4) which completely surrounds the ends and a supporting device (3) which is slidable in the interior of the hollow profiles (1, 2), characterized in that the ends, which are to be bonded and are clamped abuttingly, of the hollow profiles (1, 2) are plasticized by means of an outer mould (4) which can be heated and be split, and at the same time a supporting device (3) whose volume can be changed and which is kept under excess pressure is introduced, the said device resting smoothly against the inner wall of the hollow profiles (1, 2).

Abstract (de)

Zum nahtlosen Verbinden von thermoplastischen Kunststoffhohlprofilen werden die zu verbindenden Endstücke der Hohlprofile (1, 2) auf Stoss eingespannt, mittels einer beheiz- und teilbaren Form (4), welche die Profilendstücke vollkommen umschliesst, plastifiziert. Gleichzeitig wird im Innern des Hohlprofils eine verschiebbare, im Volumen veränderbare, unter Überdruck gehaltene, sich glatt an die Innenwand anlegende, Stützeinrichtung (3) eingebracht.

IPC 1-7

B29C 27/02

IPC 8 full level

B29C 53/00 (2006.01); **B29C 65/00** (2006.01); **B29C 65/02** (2006.01); **B29C 65/18** (2006.01); **B29C 35/16** (2006.01)

CPC (source: EP)

B29C 65/18 (2013.01); **B29C 66/1142** (2013.01); **B29C 66/3242** (2013.01); **B29C 66/348** (2013.01); **B29C 66/5221** (2013.01); **B29C 66/634** (2013.01); **B29C 66/73921** (2013.01); **B29C 66/80** (2013.01); **B29C 66/81455** (2013.01); **B29C 66/81811** (2013.01); **B29C 66/81815** (2013.01); **B29C 66/81821** (2013.01); **B29C 66/96** (2013.01); **B29C 2035/1616** (2013.01); **B29C 2035/1658** (2013.01)

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Designated contracting state (EPC)

AT CH FR GB IT NL

DOCDB simple family (publication)

EP 0020915 A1 19810107; **EP 0020915 B1 19830126**; AT E2303 T1 19830215; DE 2923205 A1 19801218; DE 2923205 C2 19821216; JP S56118 A 19810106

DOCDB simple family (application)

EP 80102097 A 19800418; AT 80102097 T 19800418; DE 2923205 A 19790608; JP 7675280 A 19800609